

INTERNATIONAL SEARCH REPORT

Inte	ninal Application No
PCT/BR2004/000195	

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 B60R22/10 B60N2/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 B60R B60N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 074 588 A (HUSPEN FRED) 24 December 1991 (1991-12-24) abstract; figures 1-5 column 1, line 6 - line 55 column 2, line 58 - column 3, line 14 column 3, line 38 - column 4, line 38 -----	1-7
Y	US 2003/188400 A1 (MENDENHALL ANDREW B ET AL) 9 October 2003 (2003-10-09) paragraphs '0001! - '0004!, '0025! - '0029!; figures 1,2 abstract	1-7
A	US 4 685 741 A (YOSHITSUGU NORITADA ET AL) 11 August 1987 (1987-08-11) abstract; figures 1-4 ----- -/-	1-7

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the International search

9 December 2004

Date of mailing of the International search report

27/12/2004

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C(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 162 864 A (OUELLETTE ALFRED J) 29 December 1964 (1964-12-29) abstract; figures 1-5 _____	1-7
A	US 3 922 035 A (WENER HYMAN) 25 November 1975 (1975-11-25) abstract; figures 1-7 _____	1-7
A	US 3 604 750 A (DOERING ESTHER W) 14 September 1971 (1971-09-14) abstract; figures 1-8 _____	1-7
A	US 3 737 923 A (PROLO D) 12 June 1973 (1973-06-12) abstract; figures 1-6 _____	1-7

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Information on patent family members

Int'l	Application No
PCT/BR2004/000195	

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 5074588	A 24-12-1991	CA 2054801	A1	03-05-1992
US 2003188400	A1 09-10-2003	CA 2421706	A1	03-10-2003
US 4685741	A 11-08-1987	JP 4046985	Y2	06-11-1992
		JP 61124435	U	05-08-1986
US 3162864	A 29-12-1964	NONE		
US 3922035	A 25-11-1975	US RE29841	E	21-11-1978
US 3604750	A 14-09-1971	NONE		
US 3737923	A 12-06-1973	NONE		